

From: [Edlund, Carl](#)
To: [Carroll, Craig](#); [Smalley, Bryant](#); [Foster, Althea](#); [Smith, Monica](#); [Phillips, Pam](#)
Subject: Fwd: Arkema
Date: Wednesday, August 30, 2017 10:08:01 PM

This seems to be the trigger to launch an OSC to Crosby.

Do we need to have local authorities evacuate outside 1.5 miles? (What Did our plume modeling show?). Will Aspect be able to monitor? Will we be able to have other monitoring in the plume path? Do we have an idea what the products of combustion are and what their IDLH or short time risks are? What will our message be on our response to the explosion.

Sent from my iPad

Begin forwarded message:

From: "Coleman, Sam" <Coleman.Sam@epa.gov>
Date: August 30, 2017 at 9:53:09 PM CDT
To: "Wagner, Kenneth" <wagner.kenneth@epa.gov>, "Bowman, Liz" <Bowman.Liz@epa.gov>, "Jackson, Ryan" <jackson.ryan@epa.gov>, "Kelly, Albert" <kelly.albert@epa.gov>
Cc: "Gray, David" <gray.david@epa.gov>, "Edlund, Carl" <Edlund.Carl@epa.gov>
Subject: Fwd: Arkema

Here is the latest. I just spoke to Richard Hyde with TCEQ. The current estimate is that the chemicals will reach a critical temperature at approximately noon Central time tomorrow. They expect significant amounts of black smoke.

The smoke impact area is expected to be about 2 mile radius.

Samuel Coleman, P. E.,
Deputy Regional Administrator

214.665.2100 Ofc
214.665. 3110 Desk
214.665.2016 Cell

Coleman.sam@epa.gov

Sent from my iPhone

Begin forwarded message:

From: "Gray, David" <gray.david@epa.gov>
Date: August 30, 2017 at 5:22:33 PM CDT
To: "Coleman, Sam" <Coleman.Sam@epa.gov>, "Edlund, Carl"

<Edlund.Carl@epa.gov>

Subject: RE: Arkema

Here is an updated plan. The only thing that I would change is I'd deploy now since everyone seems to believe this is going to happen soon.

David

The Arkema Plant in Crosby, TX produces liquid organic peroxides. The plant is currently inundated with rising flood waters and has been evacuated of all personnel. Additionally, local Emergency Officials have instituted mandatory evacuation of all residence within 1.5 miles surrounding the plant. Arkema is remotely monitoring the temperature of the trailers. Three of the trailers the cooling systems are still operational. The remaining 5 trailers have lost their cooling system. In three of the five trailers the temperature remains in the safe zone and on the remaining two they have lost the ability to monitor and do not know the temperature.

EPA is currently coordinating closely with Harris County Hazmat and Fire Department who are monitoring the situation with the USCG.

EPA's ASPECT plane has been deployed and is currently overflying the facility gathering Infra-red and photographic imagery.

Hurricane Harvey Operations personnel are putting together air and water modeling for two potential scenarios;

1) A decomposition and meltdown with a large quantity of peroxides being released into surface waters at the plant

2) An explosion/fire of one or multiple trailers

If a release occurs EPA will deploy an emergency response team consisting of an OSC/START Contractors to assess the release and develop a plan to mitigate damages to both human health and the environment ASAP. The team could provide air monitoring and water sampling capabilities.

Any firefighting activities would be conducted at the local level and EPA would provide air monitoring to the Harris County FD as needed/requested.

The responding OSC will also develop a surface water sampling plan to determine potential hazards of any release of hazardous substances to surface waters.

All of the proceeding is dependent on the ability to safely access the facility due to the current rising waters, therefore a timetable to begin ground operations is undetermined, however we will continue air operations and close coordination with local/State partners.

From: Coleman, Sam

Sent: Wednesday, August 30, 2017 5:21 PM

To: Gray, David <gray.david@epa.gov>; Edlund, Carl

<Edlund.Carl@epa.gov>

Subject: Re: Arkema

Are you guys comfortable with where we are on this? I think we might need a stand alone update.

Samuel Coleman, P. E.,
Deputy Regional Administrator
214.665.2100 Ofc
214.665. 3110 Desk

214.665.2016 Cell
Coleman.sam@epa.gov
Sent from my iPhone

On Aug 30, 2017, at 4:07 PM, Coleman, Sam
<Coleman.Sam@epa.gov> wrote:

Someone is reporting a breach. Do we have a status.

Samuel Coleman, P. E.,
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214.665.2100 Ofc
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Coleman.sam@epa.gov
Sent from my iPhone